BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2020-21/OW/WORK_INDENT44778/CALL-2

NAME OF WORK: Improvements to roads and drains in Vijaya Bharathi School Surroundings and Other area in Bagalagunt ward no 14

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor K T RAVI (K T R CONSTRUCTIONS)	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Removing and refixing of stone slabs of drain and pointing in CM (1:3)	Sqm	189.45	111.3	Rupees One Hundred Eleven and Thirty Paise Only
2	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202	Cum	27.12	952.9	Rupees Nine Hundred Fifty Two and Ninety Paise Only
3	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3	Sqm	2830.60	95.4	Rupees Ninety Five and Forty Paise Only
4	KSRRB 300-3. Earthwork excavation and forming in embankment by manual means in ordinary soil (When earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) (with all lead and lift) MORTH / Chapter 3	Cum	1221.99	137.8	Rupees One Hundred Thirty Seven and Eighty Paise Only

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5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	3001.40	6.36	Thirty Six Only
6	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	583.20	2001.0	Rupees Two Thousand One Only
7	KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100	Cum	95.09	5509.0	Rupees Five Thousand Five Hundred Nine Only
8	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300Kgs with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc complete excluding cost of steel as per MORTh specification No.1500, 1700, 2200, including cost of materials, labour, HOM of machinery, complete as per specifications. -wall & bottom thickness 15cm	Cum	132.62	7189.0	Rupees Seven Thousand One Hundred Eighty Nine Only

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9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3	Tonne	8.62	73992.0	Rupees Seventy Three Thousand Nine Hundred Ninety Two Only
10	Providing and fixing precast RCC cover slabs of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including form work, lift charges, curing, and concrete finished surface on both sides etc, and complete as per the direction of Engineer in-charge. (Data rate)	Sqm	189.45	1615.0	Rupees One Thousand Six Hundred Fifteen Only
11	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	Cum	77.94	5354.0	Rupees Five Thousand Three Hundred Fifty Four Only

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12	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	2830.60	26.5	Rupees Six and Paise
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507 - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	141.53	5727.0	Rupees Five Thousand Seven Hundred Twenty Seven Only
14	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour,HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	6949.85	5.3	Rupees Five and Thirty Paise Only
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm	6949.85	12.72	Rupees Twelve and Seventy Two Paise Only

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16	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - do - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 6 % VG-30 Bitumen	Cum	277.99	7575.0	Rupees Seven Thousand Five Hundred Seventy Five Only
17	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Ranker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH-100/ Chapter 1	Cum	1433.10	57.0	Rupees Fifty Seven Only
18	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH-100/ Chapter 1 Case-I: Surface Road	Km	1433.10	25.0	Rupees Twenty Five Only

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